AMENDMENTS TO THE CLAIMS

1. (Currently Amended) A wireless headset with a ~~Bluetooth™~~ wireless radio communication module, comprising:

a microphone supporting member having a microphone installed;

a connector located between the microphone supporting member and a main body of the wireless headset and coupled thereto to allow for displacement of the main body and microphone supporting member relative to one another between a folding and unfolding position;

a sensing device located in the connector for automatically determining whether the microphone supporting member and a main body are displaced to one of the folding and unfolding positions; and

a controller connected to the sensing device and the ~~Bluetooth™~~ wireless radio communication module, the controller being operative to establish a link between the wireless headset and a master terminal registered in the wireless headset if it is determined that the microphone supporting member and the main body are displaced to the unfolding position.

2. (Previously Presented) The wireless headset as claimed in claim 1, wherein the connector attaching the microphone supporting member to the main body of the wireless headset includes a hinge structure housing the sensing device.

3. (Currently Amended) A wireless headset with a ~~Bluetooth™~~ wireless radio communication module, comprising:

a microphone supporting member having a microphone installed therein and coupled to a main body of the wireless headset;

a hinge structure located between and attached to the main body and microphone supporting member so that the main body and microphone supporting member are displaceable relative to one another between a folding and unfolding position;

a sensing device located in the hinge structure for determining the unfolding position; and

a controller connected to the sensing device and the ~~Bluetooth™~~ wireless radio communication module for registering an ID (identification) of the wireless headset in a

counterpart terminal through the ~~Bluetooth™~~ wireless radio communication module if the unfolding position is determined.

4. (Previously Presented) The wireless headset as claimed in claim 3, wherein the microphone supporting member is attached to the main body of the wireless headset in the hinge structure.

5. (Currently Amended) A ~~Bluetooth™~~ wireless radio communication link automatic connection method for a wireless headset comprising a ~~Bluetooth™~~ wireless radio communication module, a microphone supporting member having a microphone installed therein, a hinge structure located between and coupled to the microphone supporting member and a main body of the wireless headset so that the microphone supporting member is able to be folded or unfolded relative to the main body, and a sensing device mounted into the hinge structure for detecting whether the microphone supporting member is folded or unfolded, the method comprising the steps of:

attempting, by the wireless headset, to establish a link between the wireless headset and a master terminal registering therein an ID of the wireless headset, if it is detected that the microphone supporting member is unfolded; and

automatically establishing by the master terminal the link in response to the link connection attempt by the wireless headset through the ~~Bluetooth™~~ wireless radio communication module.

6. (Currently Amended) A ~~Bluetooth™~~ wireless radio communication link automatic connection method for a wireless headset comprising a ~~Bluetooth™~~ wireless radio communication module, a microphone supporting member having a microphone installed therein, a hinge structure located between and coupled to the microphone supporting member and a main body of the wireless headset so that the microphone supporting member is able to be folded or unfolded relative to the main body, and a sensing device mounted to the hinge structure for sensing whether the microphone supporting member is folded or unfolded relative to the main body, the method comprising the steps of:

attempting, by the wireless headset, to register an ID of the wireless headset in a counterpart terminal with a ~~Bluetooth™~~ wireless radio communication module, if the microphone supporting member is sensed to be unfolded; and

registering, by the counterpart terminal, the ID of the wireless headset in the counterpart terminal in response to the ID registration attempt by the wireless headset.

7. (Currently Amended) A ~~Bluetooth™~~ wireless radio communication link automatic connection method for a wireless headset comprising a ~~Bluetooth™~~ wireless radio communication module, a microphone supporting member having a microphone installed therein, a hinge structure located between and coupled to the microphone supporting member and a main body of the wireless headset so that the microphone supporting member is able to be folded or unfolded relative to the main body, and a sensing device mounted to the hinge structure for sensing whether the microphone supporting member is folded or unfolded, the method comprising the steps of:

transmitting a link connection request message from the wireless headset through the ~~Bluetooth™~~ wireless radio communication module to a master terminal registering therein an ID of the wireless headset, if the microphone supporting member is sensed to be unfolded;

transmitting a link connection response message from the master terminal to the wireless headset in response to the link connection request message; and

establishing a link between the wireless headset and the master terminal after the wireless headset receives the link connection response message.

8. (Currently Amended) A ~~Bluetooth™~~ wireless radio communication link automatic connection method for a wireless headset comprising a ~~Bluetooth™~~ wireless radio communication module, a microphone supporting member having a microphone installed therein, a hinge structure located between and coupled to the microphone supporting member and a main body of the wireless headset so that the microphone supporting member is able to be folded or unfolded relative to the main body, and a sensing device electrically connected to and located in the hinge structure for ~~and~~ sensing whether the microphone supporting member is folded or unfolded, the method comprising the steps of:

receiving a link connection request message from a master terminal registering therein an ID of the wireless headset; and

transmitting a link connection response message to the master terminal if the microphone supporting member is sensed to be unfolded.

9. (Currently Amended) A ~~Bluetooth™~~ wireless radio communication link automatic connection method for a wireless headset comprising a ~~Bluetooth™~~ wireless radio communication module, a microphone supporting member having a microphone installed therein, a hinge structure located between and coupled to the microphone supporting member and a main body of the wireless headset so that the microphone supporting member is able to be folded or unfolded relative to the main body, and a sensing device mounted to the hinge structure for sensing whether the microphone supporting member is folded or unfolded, the method comprising the steps of:

transmitting an ID message of the wireless headset from the wireless headset to a counterpart ~~Bluetooth™~~ wireless radio communication wireless communication terminal if the microphone supporting member is sensed to be unfolded; and

registering, by the counterpart ~~Bluetooth™~~ wireless radio communication wireless communication terminal, an ID of the wireless headset in the counterpart ~~Bluetooth™~~ wireless radio communication wireless communication terminal in response to the ID message and transmitting an ID registration completion message to the wireless headset.

10. (Currently Amended) The method as claimed in claim 9, further comprising the steps of: transmitting a link connection request message from the wireless headset to the counterpart ~~Bluetooth™~~ wireless radio communication wireless communication terminal; and

connecting a link between the wireless headset and the counterpart ~~Bluetooth™~~ wireless radio communication wireless communication terminal by transmitting a link connection response message from the counterpart ~~Bluetooth™~~ wireless radio communication wireless communication terminal to the wireless headset in response to the link connection request message.

11. (Previously Presented) A wireless headset for local wireless master/slave communication, comprising:

a microphone supporting member having a microphone installed therein and;

a hinge structure located between and attached to the main body and microphone supporting member so that the main body and microphone supporting member are displaceable relative to one another between a folding and unfolding position;

a sensing device mounted to the hinge structure for determining whether the microphone supporting member and the main body are in the folded or unfolded positions; and

a controller connected to the sensing device, for connecting a link between the wireless headset and a master terminal registered in the wireless headset if it is determined that the microphone supporting member and the main body are in the unfolded position.